

U.S.S.N. 09/359,920

- 2 -

76. (New) The composition of claim 53, wherein the linking molecule is a polymer rich in glutamine.

sub.C8 77. (New) The composition of claim 53, wherein the agent is selected from the group consisting of a sunscreen agent, a cosmetic agent, a bulking agent, a hair conditioning agent, a hair fixative, a moisturizing agent, a depilatory agent, an anti-nerve gas agent, a film forming agent, a vitamin, an insect repellent, an enzyme, a coloring agent, a pharmaceutical agent, a ligand of a ligand-receptor complex, a receptor of a ligand-receptor complex, and a component of a high affinity noncovalent binding pair.

78. (New) The composition of claim 77, wherein the agent is selected from the group consisting of a cholinesterase and a phosphodiesterase.

79. (New) The composition of claim 53, wherein the bond between the agent and the linking molecule is hydrolyzable under physiological conditions.

80. (New) The composition of claim 77, wherein the agent is a pharmaceutical agent and the bond between the agent and the linking molecule is hydrolyzable under physiological conditions.

3 sub.D⁶ 81. (New) The composition of claim 53, wherein the agent is a nonprotein.

82. (New) The composition of claim 53, wherein the agent in its native form free of conjugation to the linking molecule is not itself a substrate of transglutaminase.

sub.C9 83. (New) The compositions of matter of claim 65, wherein the bond between the agent and the linking molecule is hydrolyzable under physiological conditions.

84. (New) The composition of matter of claim 65, wherein the agent is a nonprotein.

85. (New) The composition of matter of claim 65, wherein the agent in its native form, free of conjugation to the linking molecule, is not itself a substrate of transglutaminase.

sub.D⁷ 86. (New) The kit of claim 71, further comprising a third container housed by said package, the third container containing a linking molecule that is a substrate of transglutaminase and that is covalently attached to the composition contained in the first container if in the presence of transglutaminase.

U.S.S.N. 09/359,920

- 3 -

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87. (New) The kit of claim ⁷, further comprising calcium housed by said package, except that said calcium is not in said second container.

^{D8}
88. (New) A kit comprising
a package housing:
a first container containing the composition of claim 65, and
a second container containing transglutaminase.

89. (New) The kit of claim 88, further comprising
a third container housed by said package, the third container containing a linking molecule that is a substrate of transglutaminase and that is covalently attached to the composition contained in the first container if in the presence of transglutaminase.

³⁸
90. (New) The kit of claim ³⁸ 88, further comprising calcium housed by said package, except that said calcium is not in said second container.

^{Sub. C10}
91. (New) A kit comprising
a package housing:
a first container containing the composition of claim 77, and
a second container containing transglutaminase.

^{Sub. D10}
92. (New) The kit of claim 91, further comprising
a third container housed by said package, the third container containing a linking molecule that is a substrate of transglutaminase and that is covalently attached to the composition contained in the first container if in the presence of transglutaminase.

²²
93. (New) The kit of claim ²⁰ 91, further comprising calcium housed by said package, except that said calcium is not in said second container.

^{Sub. C11}
94. (New) A kit comprising
a package housing:
a first container containing the composition of claim 67, and
a second container containing transglutaminase.